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10TH ANNUAL INTERNATIONAL EXPERTS' CONFERENCE ENVIROMANAGEMENT 2019 WASTE T⁰ ENERGY

ENERGY RECOVERY • RDF • TECHNOLOGY
• ECONOMY • LEGISLATION • PR



LECTURER

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PRESENTATION

Hong Kong Integrated Waste Management Facilities (IWMF)
- a case study.

Hong Kong: Zariadenie pre integrované nakladenie s odpadom
– prípadová štúdia.

KEY WORDS

Waste to Energy, integrated solutions, state of the art technology

ANNOTATION

Located off the coast of Shek Kwu Chau, which is to the south of Lantau Island, the IWMF is Hong Kong's first integrated waste management facility for municipal solid waste. As a key part of Hong Kong's waste management strategy, it is able to reduce the total volume of waste treated at the facility by more than 90%, thus extending the lifespan of landfills. Currently, Hong Kong landfills its non-recycled waste.

Expected to be completed in 2024, the IWMF comprises a WTE Plant, a mechanical treatment plant and ancillary facilities, which include an administration building, visitor centre, port handling facilities, as well as desalination and wastewater treatment plants.

ANNOTATION

Contracted to treat about 3,000 tonnes per day of mixed municipal solid waste, the WTE Plant will feature Keppel Seghers' proven WTE technology with its air-cooled grate, boiler design, and advanced combustion control system. In addition, the WTE Plant will also use Keppel Seghers' flue gas cleaning system, ensuring that the plant's emissions will comply with Hong Kong and EU standards, which are amongst the most stringent international standards available.

The Hong Kong project will be an important addition to the already strong presence of Keppel Seghers in Asia.

LECTURER'S PROFILE

Mr. Karol Bajer

Representative and consultant for Keppel Seghers. Active in Central and Eastern European markets. On-site experience in Białystok – Poland, which is an important EU reference project for Keppel Seghers. Studied in Poland and Sweden, nearly fifteen years of experience in waste incineration, waste management, renewable energy sources, funding applications.

ORGANIZATION'S PROFILE

Keppel Seghers, a member of the Keppel Infrastructure group, is the environmental technology arm of Keppel Corporation, a multinational conglomerate listed in Singapore. Keppel Corporation focuses on three key business activities - Offshore & Marine, Infrastructure and Property.

As a leading player in environmental technology and services, Keppel Seghers offers a broad portfolio of comprehensive environmental solutions, and its scope of activities includes design, engineering, technology development, construction, operations and maintenance of plants and facilities as well as investments in large environmental projects.

The company's advanced technology solutions address a wide spectrum of environmental issues in solid waste and wastewater.

With a strong track record of successful projects completed in Europe, North and South America, Asia Pacific, Africa and the Middle East, Keppel Seghers is well-positioned to meet the challenges of protecting the environment and enriching the lives of communities in a cleaner world, both now and in the future.